

Abstract of the Disclosure

An imaging lidar ^{includes} ~~comprises~~ a laser for generating light beam pulses in a line scan to illuminate an area surrounding a target. A controller selects pulse width and pulse rate of the light beam pulses emitted by the laser. A photomultiplier tube detects energy from the light beam pulses scattered by the target and generates ~~an output signal comprising~~ a series of pixels defined by the light beam pulses and the line scan. A display generates an image from the pixels that is representative of the target.